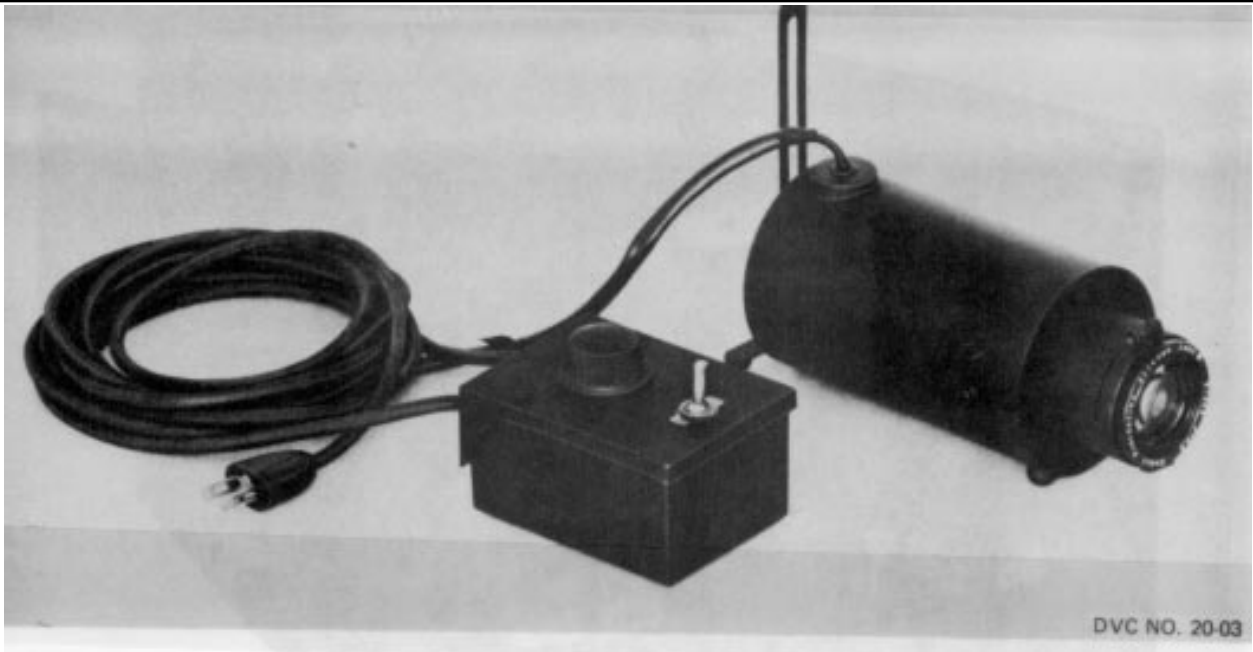


NIGHT-VISION SHADOWGRAPH PROJECTOR



Training Category/Level Utilized:

General/Level 1

Physical Information:

Projector: 14" L x 5" D

Logistic Responsible Command, Service, or Agency:

STRICOM

Equipment Required, Not Supplied:

Projection screen

Source and Method of Obtaining:

Not generally available for issue (limited production).

Special Installation Requirements:

None

Purpose of Trainer:

The trainer is for classroom use to project silhouettes of objects on a screen to teach night-vision techniques to a variety of personnel types under simulated training conditions.

Power Requirements:

110 vac

Applicable Publications:

None

Functional Description:

The device is a light-tight, single-slide projector, which can project a 2" x 2" slide onto a 48" x 144" screen from a distance of 30 feet, or cover a smaller screen at a lesser distance. A voltage control is utilized in the power line to provide variable intensity. This permits background night simulation on the screen varying from absolute dark through starlight to full moonlight.

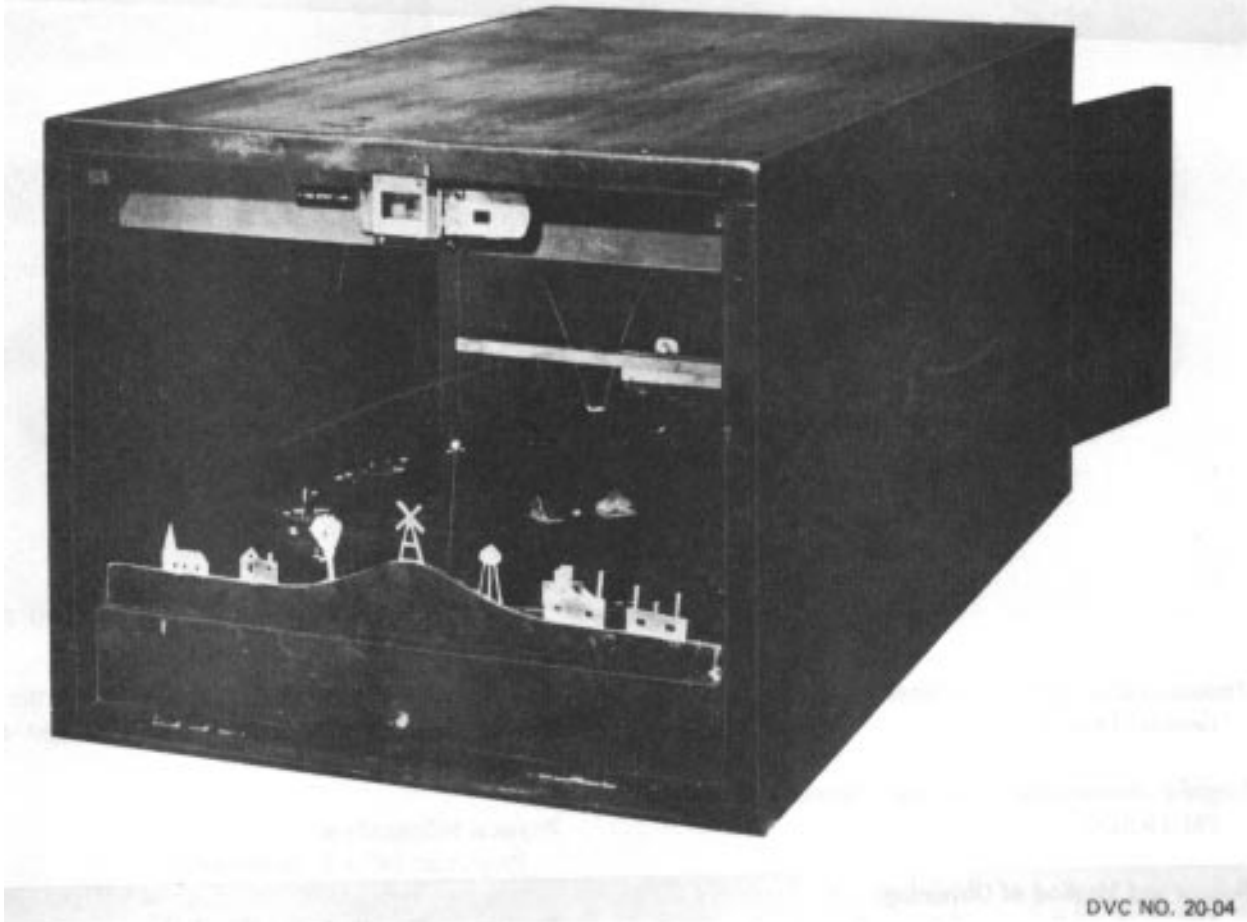
Reference Publications:

None

Training Requirements Supported:

MOSC 11 Series

TWO-DIMENSIONAL NIGHT VISION TRAINER



Training Category/Level Utilized:

General/Level 1

Logistic Responsible Command, Service, or Agency:

STRICOM

Source and Method of Obtaining:

Not generally available for issue (limited production).

Purpose of Trainer:

The trainer is used in the classroom to provide night vision training of pilots and lookout personnel through simulated training exercises conducted in a completely blacked-out room under accurately controlled artificial illumination adjusted to simulate natural outdoor conditions. Trainee background will consist of flying and/or navigation watch experience.

Functional Description:

The device is a basic synthetic vision trainer intended to illustrate two-dimensional shadowgraphs of typical outdoor scenes, projected on a screen, at levels of illumination corresponding to those which would occur on a starlit night. Major components of the device consist of: silhouettes, slide projector, aircraft mechanism, cloud and fog effect guides, turntable, constant voltage transformer, operator's control panel, and accessory kit. The device is housed in a wooden box with two compartments, accessible from both ends.

Physical Information:

30" x 18" x 15"; 67 lb

Equipment Required, Not Supplied:

None

Special Installation Requirements:

None

Reference Publications:

TM 11-1090-269 Series

Power Requirements:

110 vac

Training Requirements Supported:

MOSC 15 Series

Applicable Publications:

NAVEXOS P-1912, Maintenance Handbook for Night
Vision Trainer

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